The list is in the order I discovered them in
CERN (European Organization for Nuclear Research) but this acronym is french were it also doesn't work Organisation européenne pour la recherche nucléaire
LHC large hadron collider hey this one works
LEIR Low Energy Ion Ring this one also works
SPS Super Proton Synchrotron
PSB Proton Synchrotron Booster gosh cern did I misjudge you
CPS Proton Synchrotron guess not
AD Antiproton Decelerator works though
ELENA Extra Low Energy Antiproton ring
ISOLDE is Isotope Separator On Line Device the e is silent
MEDICIS Medical Isotopes Collected from ISOLDE
ISR Intersecting Storage Rings
PSB Proton Synchrotron Booster
AC Antiproton Collector
LEAR Low Energy Antiproton Ring
ATRAP Antihydrogen Trap
ASACUSA Atomic Spectroscopy and Collisions Using Slow Antiprotons my gosh CERN not only does that work it's a long one too I'm impressed
ACE Antiproton Cell Experiment
ALPHA Antihydrogen Laser Physics Apparatus
AEgIS Antimatter Experiment: gravity, Interferometry, Spectroscopy this one is weirdly formatted why is the g not capitalized to avoid confusion with the gravitational constant was my 1st thought but that wouldn't make sense because our next one (GBAR) does have a capital "g" anyway leave your guesses in the comments
GBAR Gravitational Behaviour of Anti hydrogen at Rest yes anti and hydrogen are 2 different words in this one for some reason at least according to wikipeadia I didn't belief this at 1st and went to CERN's website https://home.cern/science/experiments/gbar were it stood for both Gravitational Behaviour of Antihydrogen at Rest and Gravitational Behaviour of antimatter at Rest
BASE Baryon Antibaryon Symmetry Experiment
PUMA antiProton Unstable Matter Annihilation which sounds so cool why say "PUMA"?
COLLAPS Colinear Laser Spectroscopy
CRIS Collinear Resonance Ionization Spectroscopy
EC-SLI Emission Channeling with Short-Lived Isotopes does "with" count here I'm going to stick with my rule of no word more that 3 letters counts
IDS ISOLDE Decay Station
MoEDAL (Monopole and Exotics Detector at the LHC)
ISOLDE Solenoidal Spectrometer (ISS)
Multi Ion Reflection Apparatus for Colinear Laser Spectroscopy (MIRACLS)
Scattering Experiments Chamber (SEC)
Versatile Ion polarisation Technique Online (VITO)
Weak Interaction Studies with 32Ar Decay (WISArD)
ATLAS A Toroidal LHC Apparatus

Compact Muon Solenoid (CMS)
ALICE (A Large Ion Collider Experiment)
TOTEM experiment (Total Elastic and diffractive cross section Measurement) this one sucks SO MUCH
FASER (ForwArd Search ExpeRiment) and I thought it couldn't get any worse
Scattering and Neutrino Detector (SND)
UA1 Underground area 1
UA2 Underground area 2
UA3 Underground area 3
UA4 Underground area 4
UA5 Underground area 5
Antiproton Accumulator (AA)
Super Proton–Antiproton Synchrotron (or SppS)
Super Proton Synchrotron (SPS)
MATHUSLA (Massive Timing Hodoscope for Ultra-Stable neutral particles)

https://www.esa.int/ESA/Our_Missions

I thought this was a lot of funny incorrect acronyms for a scientific institute until I realised JUICE stood for “Jupiter Icy Moons Explorer” time to talk about ESA
ESA (european space agency)
ARD (Atmospheric Reentry Demonstrator)
ATV (Automated Transfer Vehicle)
Cheops (Characterising Exoplanet Satellite)
ALTIUS (Atmospheric Limb Tracker for Investigation of the Upcoming Stratosphere)
PROBA (Project for On-Board Autonomy)
PROBA2 (Project for On-Board Autonomy 2)
PROBA 3 (Project for On-Board Autonomy 3)
PROBA V(Project for On-Board Autonomy vegetation
(SMOS) Soil Moisture and Ocean Salinity
(AWS)Arctic Weather Satellite
Ariel (Atmospheric Remote-sensing Infrared Exoplanet Large-survey)
COS-B (Celestial Observation Satellite B)
Double Star 1 (TC-1) but this is chinese where it stood for “tan ce 1”
Double Star 2 (TC-2) but again chinese where it stood for “tan ce 2”
CARE (Cloud aerosol and radiation explorer)
OTS-1 (orbital test satellite 1)
OTS-2 (orbital test satellite 2)
ECS (European Communication Satellite)
European Data Relay System (EDRS)
European Geostationary Navigation Overlay Service (EGNOS)
European Remote Sensing Satellite 1(ERS 1)
European Remote Sensing satellite 2(ERS 2)

ESRO